

<p>Form PTO-1449 U.S. Department of Commerce Patent and Trademark Office</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)</p>	<p>ATTY DOCKET NO. <u>UCT-003</u> SERIAL NO. <u>09/993,984</u></p> <p>APPLICANT: <u>Bahram Javidi et al.</u> EXAMINER <u>Minh Dinh</u></p> <p>FILING DATE: <u>November 23, 2001</u> GROUP <u>2131 2132</u></p> <p><i>RECEIVED DEC 02 2003 Technology Center 2100</i></p>
---	--

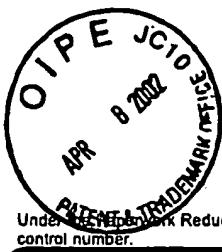
U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

MD O. Matoba and B. Javidi, Secure Ultrafast Communication With Spatial-Temporal Converters, *Applied Optics*, Vol. 39, No. 17, 2975-2981 (June 10, 2000).

Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



PTO/SB/08B (10-01)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

1 of 2

Complete if Known

Application Number	09/993,894
Filing Date	November 23, 2001
First Named Inventor	Bahram Javidi
Group Art Unit	2132
Examiner Name	Minh Dinh
Attorney Docket Number	UCT-0003-00

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
MD		H.-Y., Li, Y. Qiao, and D. Psaltis, "Optical neural network for real-time face recognition," Appl. Opt. 32, 5026-5035 (1993.)	
		C. L. Wilson, C. I. Wilson and E.G. Peak, "Combined optical neural network fingerprint matching," in Optical Pattern Recognition VIII, D.P. Casasent and T. Chao, eds. Proc. SPIE 3073, 373-382 (1997)	
		B. Javidi and J. L. Horner, "Optical pattern recognition for validation and security verification," Opt. Eng. 33, 1752-1756 (1994)	
		P. Réfrégier and B. Javidi, "Optical image encryption based on input plane and Fourier plane random encoding," Opt. Lett. 20, 767-769 (1995).	
		H. F. Heanue, M.C. Bashaw, and L. Hesselink, "Encrypted holographic data Storage Based on Orthogonal-phase-code multiplexing," Appl. Opt. 34, 6012-6015 (1995).	
		F. Goudail, F. Bollaro, B. Javidi, and P. Réfrégier, "Influence of a perturbation in a double phase-encoding system," J. Opt. Soc. Am. A 15, 2629-2638 (1998)	
		N. Yoshikawa, M. Itoh, and T. Yatagai, "Binary computer-generated holograms for Security Applications from a Synthetic Double-exposure method by electron-beam-lithography," Opt. Lett. 23, 1483-1485 (1998)	
		O. Matoba and B. Javidi, "Encrypted optical memory system using three-dimensional keys in the Fresnel comain," Opt. Lett. 24, 762-764 (1999)	
		G. Unnikrishnan, J. Joseph, and K. Singh, "Optical encryption system that uses phase conjugation in a photorefractive crystal," Appl. Opt. 37, 8181-8186 (1998)	
✓		Y.T. Mazurenko, "Holography of wave packets," Appl. Phys. B 50, 101-114 (1990)	

Examiner
Signature

Date
Considered

7/28/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



PTO/SB/088 (10-01)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

2 of 2

Complete if Known

Application Number	09/993,894
Filing Date	November 23, 2001
First Named Inventor	Bahram Javidi
Group Art Unit	2122
Examiner Name	Minh Duy L
Attorney Docket Number	UCT-0003-00

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
MD		A.M. Weiner, D.E. Leaired, D.H. Reitze, and E.G. Peak, "Femtosecond Spectral Holography," <i>IEEE J. Quantum Electron.</i> 28, 2251-2261 (1992)	
		A.W. Weiner, J.P. Heritage, and J.A. Salehi, " Encoding and Decoding of Femtosecond Pulses," <i>Opt. Lett.</i> 13, 300-302 (1988).	
		M.C. Nuss, M. Li, T.H. Chiu, A.M. Weiner, and A. Partori, "Time-to-Space mapping of femtosecond pulses," <i>Opt. Lett.</i> 19, 664-666 (1994)	
		P.C. Sun, Y.T. Mazurenko, W.S.C. Chang, P.K.L. Yu, and Y. Fainman, "All-optical Parallel-to-Serial Conversion by holographic spacial-to-temporal-frequency encoding," <i>Opt. Lett.</i> 20, 1728-1730 (1995).	
		D.M. Marom, P-C. Sun, and Y. Fainman, "Analysis of spatial-temporal converters for all-optical communication links," <i>Appl. Opt.</i> 37, 2858-2868 (1998).	
		D.M. Marom, D. Panasenko, P.-C. Sun, and Y. Fainman, "Spacial-temporal wave mixing for space-time conversion," <i>Opt. Lett.</i> 24, 563-565 (1999)	
✓		T. Konishi and Y. Ichioka, "Ultrafast image transmission by optical time-to-two-dimensional-space-to-time-two-dimensional-space conversion," <i>J. Opt. Soc. Am. A</i> 16, 1076-1088 (1999)	

Examiner
Signature

Date
Considered

7/28/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.